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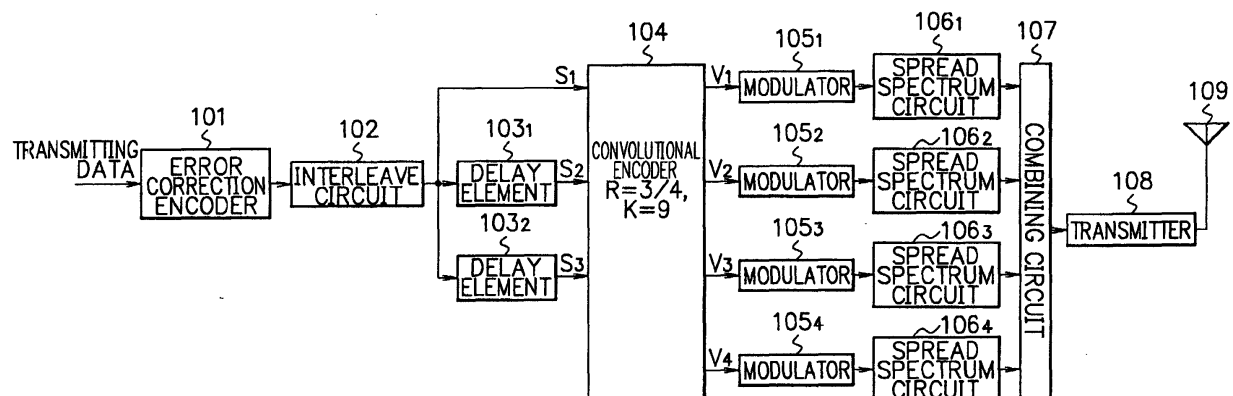
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(54) **Spread spectrum diversity transmitter/receiver**

(57) A spread spectrum diversity transmitter/receiver, in which a bit error rate is improved even at a severe multi path fading channel, is provided. At a transmitting section, a multi dimensional transmitting signal by code division is used not only for diversity itself but also for a convolutional encoding among diversity branches by a

convolutional encoder (104). With this, an error correction function can be installed. At a receiving section, a Viterbi decoding is performed before a majority judgment is performed, a bit error at the front stage of a majority judging 10 circuit (117) is suppressed and the likelihood of the majority judgment is increased and consequently the bit error rate is largely improved.

FIG. 5





European Patent
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EUROPEAN SEARCH REPORT

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H04B H04L H03M
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 12 May 2003	Examiner Martínez Martínez, V
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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